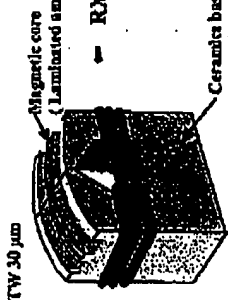




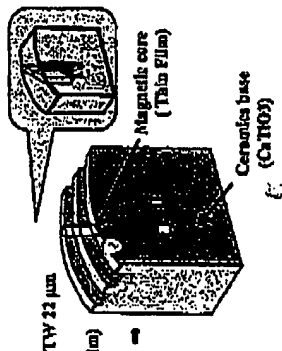
Decrease Spacing Loss

- Development of Trench Head

Playback Head
(Laminated Amorphous)



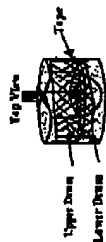
Record Head
(ETP, Embedded Thin Film)



9/20/90

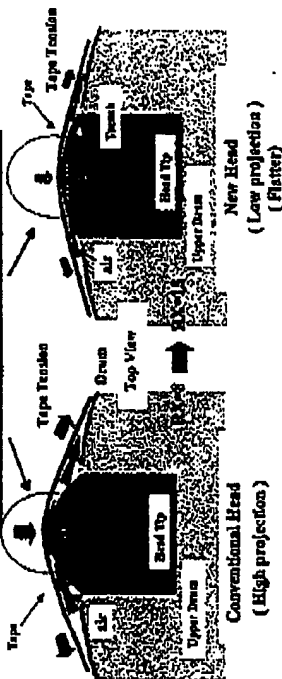


Effect of Trench Head



Head to Tape Spacing

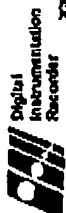
Force balance of head projection to tape tension



9/20/90

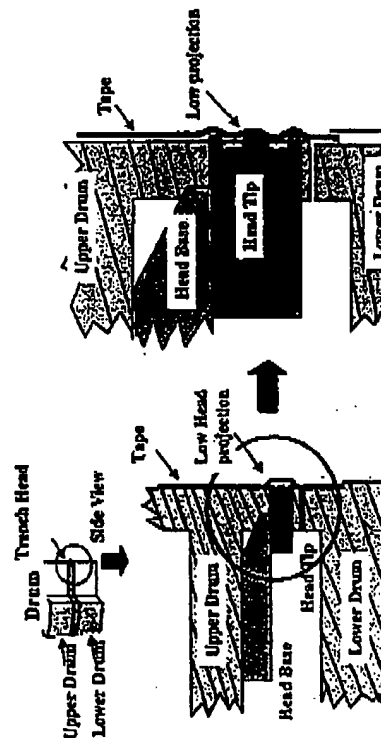


10



Effect of Trench Head (2)

- Head to Tape contact under low projection



9/20/90



11



Tracking Backward Compatibility

ID-1 ↔ DIR-1G



ID-1 45 μm PB Head 30 μm
(ID-1 512 M Mode)



DIR 1G 14 μm PB Head 30 μm

DTF-1 ↔ DTF-2
(DIR-240)



DTF-1 24 μm PB Head 30 μm



DTF-2 19.5 μm PB Head 30 μm
DIR-240

9/20/90



12